



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/658,521

DATE: 10/15/2004

TIME: 12:13:03

Input Set : N:\Cr3\RULE60\10658521.raw

Output Set: N:\CRF4\10152004\J658521.raw

1 <110> APPLICANT: KUCHERLAPATI, RAJU
 2 JAKABOVITS, AYA
 3 BRENNER, DANIEL G.
 4 CAPON, DANIEL J.
 5 KLAPHOLZ, SUE
 6 <120> TITLE OF INVENTION: HUMAN ANTIBODIES DERIVED FROM IMMUNIZED XENOMICE
 7 <130> FILE REFERENCE: Cell 4.17 DIV2
 8 <140> CURRENT APPLICATION NUMBER: 10/658,521
 9 <141> CURRENT FILING DATE: 2003-09-08
 10 <150> PRIOR APPLICATION NUMBER: US/09/614,092
 11 <151> PRIOR FILING DATE: 2000-07-11
 12 <150> PRIOR APPLICATION NUMBER: 08/724,752
 13 <151> PRIOR FILING DATE: 1996-10-02
 14 <150> PRIOR APPLICATION NUMBER: 08/430,938
 15 <151> PRIOR FILING DATE: 1995-04-27
 16 <150> PRIOR APPLICATION NUMBER: 08/234,145
 17 <151> PRIOR FILING DATE: 1994-04-28
 18 <150> PRIOR APPLICATION NUMBER: 08/112,848
 19 <151> PRIOR FILING DATE: 1993-08-27
 20 <150> PRIOR APPLICATION NUMBER: 08/031,801
 21 <151> PRIOR FILING DATE: 1993-03-15
 22 <150> PRIOR APPLICATION NUMBER: 07/919,297
 23 <151> PRIOR FILING DATE: 1992-07-24
 24 <150> PRIOR APPLICATION NUMBER: 07/610,515
 25 <151> PRIOR FILING DATE: 1990-11-08
 26 <150> PRIOR APPLICATION NUMBER: 07/466,008
 27 <151> PRIOR FILING DATE: 1990-01-12
 28 <150> PRIOR APPLICATION NUMBER: PCT/US96/05928
 29 <151> PRIOR FILING DATE: 1996-04-29
 30 <160> NUMBER OF SEQ ID NOS: 21
 31 <170> SOFTWARE: PatentIn Ver. 2.1
 33 <210> SEQ ID NO: 1
 34 <211> LENGTH: 259
 35 <212> TYPE: DNA
 36 <213> ORGANISM: Homo sapiens
 37 <400> SEQUENCE: 1
 38 agaccctctc actcacctgt gccatctccg gggacagtgt ctctagcaac agtgetgctt 60
 39 ggaactggat caggcagtc ccacgcagag gccttgagt gctgggaagg acatactaca 120
 40 ggtccaagt gtataatgat tatgcagtat ctgtgaaaag tcgaataacc atcaaccag 180
 41 acacatccaa gaaccagttc tccctgcagc tgaactctgt gactcccgag gacacggctg 240
 42 tgtattactg tgcaagaga 259
 44 <210> SEQ ID NO: 2
 45 <211> LENGTH: 400



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46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: Description of Artificial Sequence: Heavy chain of
50   the antibody secreted by clone D5.1
51 <400> SEQUENCE: 2
52   agaccctctc actcacctgt gccatctccg gggacagtgt ctctagcgac agtgctgctt 60
53   ggaactggat caggcagtc ccacgagag gccttgagt gctgggaagg acatactaca 120
54   ggtccaagt gtataatgat tatgcagttt ctgtgaaaag tcgaataacc atcaaccag 180
55   acacatccaa gaaccagttc tcctgcagc tgaactctgt gactcccgag gacacggctg 240
56   tgtattactg tgcaagagat atagcagtg ctggcgctct ctttgactgc tggggccagg 300
57   gaaccctggt caccgtctcc tcaggagtg catccgcccc aaccttttc cccctcgtct 360
58   cctgtgagaa ttcccgcgc gatacgagca gcgtggccgt 400
60 <210> SEQ ID NO: 3
61 <211> LENGTH: 43
62 <212> TYPE: DNA
63 <213> ORGANISM: Homo sapiens
64 <400> SEQUENCE: 3
65   cttgactagc tggggccaag gaaccctggt caccgtctcc tca 43
67 <210> SEQ ID NO: 4
68 <211> LENGTH: 15
69 <212> TYPE: DNA
70 <213> ORGANISM: Homo sapiens
71 <400> SEQUENCE: 4
72   tatagcagca gctgg 15
74 <210> SEQ ID NO: 5
75 <211> LENGTH: 77
76 <212> TYPE: DNA
77 <213> ORGANISM: Homo sapiens
78 <400> SEQUENCE: 5
79   gggagtgcac ccgccccaac ctttttcccc ctgctctct gtgagaattc cccgtcggat 60
80   acgagcagcg tggcgt 77
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83 <211> LENGTH: 302
84 <212> TYPE: DNA
85 <213> ORGANISM: Homo sapiens
86 <400> SEQUENCE: 6
87   gacatcgtga tgaccagtc tccagactcc ctggctgtgt ctctgggcga gagggccacc 60
88   atcaactgca agtccagcca gagggtttta tacagctcca acaataagaa ctacttagct 120
89   tggtaccagc agaaaccagg acagcctcct aagctgctca ttactgggc atctaccgg 180
90   gaatccgggg tcctgaccg attcagtggc agcgggtctg ggacagattt cactctcacc 240
91   atcagcagcc tgcaggctga agatgtggca gtttattact gtcagcaata ttatagtact 300
92   cc 302
94 <210> SEQ ID NO: 7
95 <211> LENGTH: 442
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Description of Artificial Sequence: Light chain of

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100      the antibody secreted by clone D5.1
101 <400> SEQUENCE: 7
102      accatcaagt gcaagtccag ccagagtgtt ttgtacactt ccagcaataa gaactactta 60
103      gcttggtacc agcagaaacc aggacagcct cctaaactac tcatttactg ggcactctacc 120
104      cggaatccg ggggtccctga ccgattcagt ggcagcgggt ctgggacaga tttcactctc 180
105      accatccgca gcctgcaggc tgaagatgtg gcagtttatt actgtcagca atattatact 240
106      attccattca atttcggccc tgggaccaga gtggatatca aacgaactgt ggctgcacca 300
107      tctgtcttca tcttcccgcc atctgatgag cagttgaaat ctggaactgc ctctgttgtg 360
108      tgctgtctga ataacttcta tcccagagag gccaaagtac agtggaaggt ggataacgcc 420
109      ctccaatcgg gttggggaaa aa                                         442
111 <210> SEQ ID NO: 8
112 <211> LENGTH: 38
113 <212> TYPE: DNA
114 <213> ORGANISM: Homo sapiens
115 <400> SEQUENCE: 8
116      attcactttc ggccctggga ccaaagtgga tatcaaac                                         38
118 <210> SEQ ID NO: 9
119 <211> LENGTH: 149
120 <212> TYPE: DNA
121 <213> ORGANISM: Homo sapiens
122 <400> SEQUENCE: 9
123      gaactgtggc tgcaccatct gtcttcatct tcccgccatc tgatgagcag ttgaaatctg 60
124      gaactgcctc tggtgtgtgc ctgctgaata acttctatcc cagagaggcc aaagtacagt 120
125      ggaaggtgga taacgccctc caatcgggt                                         149
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128 <211> LENGTH: 399
129 <212> TYPE: DNA
130 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Description of Artificial Sequence: Heavy chain
133      anti-IL-8 antibody D1.1
134 <400> SEQUENCE: 10
135      cctgtccctc acctgcgctg tctatggtgg gtccttcagt gggttactact ggagctggat 60
136      ccgccagccc ccaggggaagg gactggagtg gattggggaa atcaatcaaa gtggaagcac 120
137      caattacaac ccgtccctca agagtgcagt catcatatca atagacacgt ccaagaccca 180
138      gttctccctg aagttgagct ctgtgaccgc cgcggacacg gctgtgtatt actgtgcgag 240
139      agagactccc catgcttttg atatctgggg ccaagggaca atggtcaccg tctcttcagc 300
140      ctccaccaag ggcccatcgg tcttcccctt ggcgccctgc tccaggagca cctccgagag 360
141      cacagcgcgc cctgggctgc ctggtcaagg actacttcc                                         399
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144 <211> LENGTH: 444
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Description of Artificial Sequence: Kappa light
149      chain anti-IL-8 antibody D1.1
150 <220> FEATURE:
151 <221> NAME/KEY: modified_base
152 <222> LOCATION: (255)

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153 <223> OTHER INFORMATION: a, c, t, g, other or unknown
154 <400> SEQUENCE: 11
155      cagtctccat cctccctgtc tgcattctgta ggcgacagag tcaccatcac ttgccaggcg 60
156      agtcaggaca ttagtaagtt tttaagttgg tttcaacaga aaccagggaa agcccctaaa 120
157      ctcttgatct acggtacatc ctatttggaa accgggggtcc catcaagttt cagtgggaagt 180
158      ggatctggga cagattttac tctcaccatc agcagcctgc agcctgaaga tgttgcaaca 240
W--> 159      tatttctgta acagnatgat gatctcccat acactttcgg ccctggggacc aaagtggata 300
160      tcaaacgaac tgtggctgca ccattctgtc tcatcttccc gccattctgat gagcagttga 360
161      aatctggaac tgcctctgtt gtgtgcctgc tgaataactt ctatcccaga gaggccaaag 420
162      tacagtggaa ggtggataac gccc                                     444
164 <210> SEQ ID NO: 12
165 <211> LENGTH: 453
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Description of Artificial Sequence: Heavy chain
170      anti-IL-8 antibody K2.2
171 <220> FEATURE:
172 <221> NAME/KEY: modified_base
173 <222> LOCATION: (64)
174 <223> OTHER INFORMATION: a, c, t, g, other or unknown
175 <400> SEQUENCE: 12
176      aggtccctga gactctcctg tgcagcctct ggattcacct tcagtagcta tggcatgcac 60
W--> 177      tggntccgcc aggtccagg caaggggctg gagtgggtgg cagaaatata atatgatgga 120
178      agtaataaat actatgtaga ctccgtgaag ggccgactca ccattctccag agacaattcc 180
179      aagaacacgc tgtattctgca aatgaacagc ctgagagctg aggacacggc tgtgtattac 240
180      tgtgcgagag accgactggg gatctttgac tactggggcc agggaaacct ggtaaccgtc 300
181      tctcagcct ccaccaaggg cccatcggtc ttccccctgg cgcctgtctc caggagcacc 360
182      tccgagagca cagcgcggcc ctgggctgcc tggccaagg actacttccc ccgaaccggt 420
183      gacggtgtcg tggaaactcag gcgctctgac cag                                     453
185 <210> SEQ ID NO: 13
186 <211> LENGTH: 470
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Description of Artificial Sequence: Kappa light
191      chain anti-IL-8 antibody K2.2
192 <220> FEATURE:
193 <221> NAME/KEY: modified_base
194 <222> LOCATION: (6)
195 <223> OTHER INFORMATION: a, c, t, g, other or unknown
196 <220> FEATURE:
197 <221> NAME/KEY: modified_base
198 <222> LOCATION: (460)
199 <223> OTHER INFORMATION: a, c, t, g, other or unknown
200 <400> SEQUENCE: 13
W--> 201      ctgacncagt ctccagactc cctggctgtg tctctgggag agagggccac catcaactgc 60
202      aagtccagcc agagtgtttt atacatctcc aacaataaaa ctacttagct tggatccagc 120
203      agaaaccagg acagtctcct aaactgctca tttactgggc atctaccagg aaatccgggg 180

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204      tccctgaccg attcagtggc agcgggtctg ggacagattt cactctcacc atcagcagcc 240
205      tgcaggctga agatgtggca gtttattact gtcaacagta ttatgatact ccattcactt 300
206      tcggccctgg gaccaaagtg gatatcaaac gaactgtggc tgcaccatct gtcttcatct 360
207      tcccgccatc tgatgagcag ttgaaatctg gaactgcctc tgttgtgtgc ctgctgaata 420
208      acttctatcc cagagaggcc aaagtacagt ggaaggtggn taacgcccc 470
210 <210> SEQ ID NO: 14
211 <211> LENGTH: 462
212 <212> TYPE: DNA
213 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Description of Artificial Sequence: Heavy chain
216      anti-IL-8 antibody K4.2
217 <400> SEQUENCE: 14
218      tccctcacct gcgctgtcta tgggtgggtcc ttcagtgggtt actactggac ctggatccgc 60
219      cagccccccag ggaaggggct ggagtggatt ggggaaatca ttcattcatg aaacaccaac 120
220      tacaacccgt cctcaagag tcgagtctcc atatcagttg acacgtccaa gaaccagttc 180
221      tccctgacac tgagctctgt gaccgccgcg gacacggctg tgtattactg tgcgagaggg 240
222      ggagcagtgg ctgcgtttga ctactggggc cagggaaacc tggtcaccgt ctctcagcc 300
223      tccaccaagg gcccatcggt cttccccctg gcgccctgct ccaggagcac ctccgagagc 360
224      acagcgcgcc cctgggctgc ctggtcaagg actacttccc ccgaaccggg gacggtgtcg 420
225      tggaaactcag gcgctctgac cagcggcgtg cacaccttcc ca 462
227 <210> SEQ ID NO: 15
228 <211> LENGTH: 437
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: Description of Artificial Sequence: Kappa light
233      chain anti-IL-8 antibody K4.2
234 <400> SEQUENCE: 15
235      tgaccagtc tccatcctcc ctgtctgcat ctgtaggaga cagagtcacc atcaacttgcc 60
236      aggcagagtc ggacattagt aactatttaa attggtatca acagaaagca gggaaagccc 120
237      ctaaggtcct gatctacgt gcatccaatt tggagcagg ggtcccatca aggttcagt 180
238      gaagtggatc tgggacagat ttacttttca ccatcagcag cctgcagcct gaagatattg 240
239      caacatatta ttgtcaacac tatgataatc tactcacttt cggcggaggg accaaggtag 300
240      agatcaaacy aactgtggct gcaccatctg tcttcatctt cccgccatct gatgagcagt 360
241      tgaaatctgg actgcctctg ttgtgtgcct gctgaataac ttctatccca gagaggccaa 420
242      agtacagtgg aaggtgg 437
244 <210> SEQ ID NO: 16
245 <211> LENGTH: 477
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Description of Artificial Sequence: Heavy chain
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251 <400> SEQUENCE: 16
252      agtctctgaa gatctcctgt aagggttctg gatacagctt taccagctac tggatcggt 60
253      ggggtgcgcca gatgcccggt aaaggcctgg agtggatggg gatcatctat cctggtgact 120
254      ctgataccag atacagccc tccttccaa ggcaggtcac catctcagcc gacaagtcca 180
255      tcagcaccgc ctacctgcag tggagcagcc tgaaggcctc ggacaccgcc atgtattact 240

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RAW SEQUENCE LISTING ERROR SUMMARY
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Input Set : N:\Crf3\RULE60\10658521.raw
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:11; N Pos. 255

Seq#:12; N Pos. 64

Seq#:13; N Pos. 6,460

Seq#:17; N Pos. 151,212,270,279

VERIFICATION SUMMARY

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Input Set : **N:\Crf3\RULE60\10658521.raw**

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L:159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:240
L:177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:60
L:201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
M:341 Repeated in SeqNo=13
L:287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:120
M:341 Repeated in SeqNo=17